

WHAT IS CLAIMED IS:

1. A piezoelectric tunable electronic device comprising:
 - a substrate;
 - a support comprising a central portion and at least two elastic arms extending
 - 5 from said central portion and in a substantially symmetric arrangement relative to said central portion wherein an end of said elastic arms is fixed to said substrate, with said central portion distanced to said substrate at a predetermined distance;
 - a first electrode positioned on said central portion of said support;
 - a second electrode positioned on said substrate, facing said central portion of
 - 10 said support; and
 - at least two piezoelectric films adhered to said at least two arms of said support respectively at positions substantially symmetrically to said central portion of said support;
 - whereby, by applying a voltage to said piezoelectric films, the distance
 - 15 between said first electrode and said electrode may be changed.
2. The piezoelectric tunable electronic device according to claim 1 wherein said support comprises an elastic strip.
3. The piezoelectric tunable electronic device according to claim 1 wherein said support comprises at least 3 elastic arms extending from said central portion.
- 20 4. The piezoelectric tunable electronic device according to claim 1, further comprising a second substrate positioned above said support, wherein said second electrode is positioned on said second substrate, facing said central portion of said support.

- [illegible]